**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 8 | ((RAINER) near2 (POMMERSHEIM)).INV. | US-PGPUB; USPAT | OR | ON | 2010/01/29 12:35 |
| S2 | 0 | "4663286.pn" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 15:12 |
| S3 | 0 | "4663286.pn." | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 15:12 |
| S4 | 2 | "4663286".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 15:12 |
| S5 | 176828 | microcapsule microsphere microballoon micro adj capsule micro adj sphere micro adj balloon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere microencapsulat$4 micro adj encapsulat$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:19 |
| S6 | 1254 | S5 and (enzyme near5 (core encapsulat$5)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:21 |
| S7 | 9 | S6 and ((destro$4 break adj down broken adj down) near2 (shell wall matrix)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:23 |
| S9 | 54 | S5 and ((enzyme) near5 (destro$4 disolv$4 activate inactivate break$4 adj down broken adj down) near5 (shell wall matrix)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:28 |

| S10 | 3217 | S5 and ((enzyme) near5 (destro$4 disolv$4 activate inactivate break adj down broken adj down)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:29 |
|---|---|---|---|---|---|---|
| S12 | 359 | S10 and ((enzyme) with (core encapsula$5 interior)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:32 |
| S13 | 292 | S12 and (alginate agarose sephadex carbohydrate paraffin) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:34 |
| S14 | 22 | S12 and ((multiple) near2 (layer film coat shell)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:35 |
| S15 | 17 | S13 and ((multiple) near2 (layer film coat shell)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:35 |
| S16 | 257 | S5 and ((enzyme) with (destro$4 disolv$4 activate inactivate break adj down broken adj down) with (shell wall membrane)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:38 |
| S17 | 24 | S16 and ((multiple) near2 (layer film coat shell) (multilayer$3 multi-layer$3 multi adj layer$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 17:39 |
| S18 | 2845 | S5 and ((enzyme activator) with (core encapsulat$5)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:11 |
| S19 | 428 | S18 and ((enzyme activator) with (destro$4 disolv$4 activat$5 inactivat$5 break adj down broken adj down) with (shell wall membrane drug prodrug)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:12 |

| S20 | 81 | S19 and ((multiple) near2 (layer film coat shell) (multilayer$3 multi-layer$3 multi adj layer$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:13 |
|---|---|---|---|---|---|---|
| S21 | 64 | S20 and (alginate agarose sephadex carbohydrate paraffin) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:14 |
| S22 | 63 | S21 and (enzyem drug prodrug actovator inactivator activate inactivate destro$5 break $4 adj down) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:18 |
| S23 | 395 | S5 and ((enzyme drug activator inactivator) with (destro$4 disolv$4 activate inactivate break$4 adj down broken adj down) with (shell wall matrix core encapsulat$5)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:36 |
| S24 | 99 | S23 and ((multiple) near2 (layer film coat shell) (multilayer$3 multi-layer$3 multi adj layer$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:37 |
| S25 | 99 | S24 and (enzyem drug prodrug actovator inactivator activate inactivate destro$5 break $4 adj down) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 18:39 |
| S26 | 262 | S5 and ((enzyme prodrug inactiv$5 near1 drug drug substrate) near5 (destro$4 disolv$4 activate disintegrat $5 inactivate break$4 adj down breakdown broken adj down) near5 (shell wall matrix)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:16 |
| S27 | 70 | S26 and ((multiple) near2 (layer film coat shell) (multilayer$3 multi-layer$3 multi adj layer$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:16 |
| S28 | 70 | S27 and (enzyem drug prodrug activator inactivator activate inactivate destro$5 break $4 adj down) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:17 |

| S29 | 25370 | S5 and ((enzyme prodrug drug substrate) with (destro$4 disolv$4 activat$5 disintegrat$5 inactivat$5 break$4 adj down breakdown broken adj down)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:43 |
|---|---|---|---|---|---|---|
| S30 | 3200 | S29 and ((multiple) near2 (layer film coat shell) (multilayer$3 multi-layer$3 multi adj layer$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:43 |
| S31 | 289 | S30 and (428/402.2.ccls. 428/402.21.ccls. 435/178. ccls. 435/182.ccls. 264/4.1. ccls. 264/4.32.ccls. 424/489.ccls. 424/423.ccls. 424/450.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:46 |
| S32 | 240 | S31 and (alginate agarose sephadex carbohydrate paraffin) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:47 |
| S33 | 240 | S32 and (enzyem drug prodrug activator inactivator activat$5 inactivat$5 destro$5 break$4 adj down breakdown disintegrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/29 19:48 |
| S34 | 2 | "5846924".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:23 |
| S35 | 3 | "4352883".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:31 |
| S36 | 176828 | microcapsule microsphere microballoon micro adj capsule micro adj sphere micro adj balloon core adj shell core adj shell adj particle nanocapsule nanospshere nano adj capsule nano adj sphere microencapsulat$4 micro adj encapsulat$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:35 |

| S38 | 1319235 | alginate agarose sephadex paraffin ceramic | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:39 |
| S39 | 45371 | S38 with (core interior encapsulat$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:39 |
| S40 | 1449216 | carboxymethyl adj cellulose cellulose adj sulfate cellulose pectin $5acryl$3 $5methacryl$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:42 |
| S41 | 6780 | (chitosan $4ethylene near1 iminie $4diethyl near1 ammonium $4diethyl near1 amine $4ethylene near1 amine) with (wall shell membrane coat$4 cover$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:51 |
| S42 | 241 | S36 and S39 and S40 and S41 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:52 |
| S43 | 214 | S42 and (cell bacteri$3 prokaryot$3 virus) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:54 |
| S44 | 46 | S43 and ((enzyme) with (destro$4 disolv$4 disintegrat$4 activat$4 inactivat$4 break adj down broken adj down)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 12:56 |
| S51 | 1752 | S36 and ((enzyme catalyst) with (destro$4 disolv$4 disintegrat$4 activat$4 inactivat$4 break adj down broken adj down) with (wall shell core matrix membrane)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 13:21 |
| S52 | 416 | S51 and ((core interior encapsulat$5) near5 (cell bacteri$3 prokaryot$3 virus)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 13:22 |

| S53 | 69 | S52 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 13:24 |
|-----|-----|-------------|----------------------------------------------------------|-----|-----|------------------|
| S54 | 1621 | S36 and ((enzyme pectinase) with (destro$4 disolv$4 disintegrat$4 activat$4 inactivat$4 break adj down broken adj down) with (wall shell core matrix membrane)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 13:28 |
| S55 | 414 | S54 and ((core interior encapsulat$5) near5 (cell bacteri$3 prokaryot$3 virus)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 13:28 |
| S56 | 69 | S55 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/01/30 13:28 |

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